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ART UNIT	PAPER NUMBER
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Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	
Office Action Summary	10/656,521	BEBO ET AL.	/
	Examiner	Art Unit	
	Jay A. Morrison	2168	

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on <u>05 September 2003</u>.

2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) <u>1-39</u> is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) <u>1-8,11-27,29-34 and 36-38</u> is/are rejected.

7)☒ Claim(s) <u>9,10,28,35 and 39</u> is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☒ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on <u>05 September 2003</u> is/are: a)☐ accepted or b)☒ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☐ All   b)☐ Some * c)☐ None of:

       1.☐ Certified copies of the priority documents have been received.

       2.☐ Certified copies of the priority documents have been received in Application No. _____.

       3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
    Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413)
    Paper No(s)/Mail Date. _____ .
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: _____ .

DETAILED ACTION

1.   Claims 1-39 are pending.

Specification

2.   The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

3.   The use of the trademarks Oracle Corporation, Microsoft Corporation, Visual Basic.Net, Internet Explorer, Internet Information Server, FaxPress, Castelle Corporation, PDFMerge, Think121 Corporation, Krystal Forms, Krystal Services, Adobe Acrobat, Adobe Systems Incorporated, have been noted in this application. They should be capitalized wherever they appear and be accompanied by the generic terminology.

Although the use of trademarks is permissible in patent applications, the proprietary nature of the marks should be respected and every effort made to prevent their use in any manner which might adversely affect their validity as trademarks.

Drawings

4.   The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they do not include the following reference sign(s) mentioned in the description: 524,525. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the

immediate prior version of the sheet, even if only one figure is being amended. Each

drawing sheet submitted after the filing date of an application must be labeled in the top

margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If

the changes are not accepted by the examiner, the applicant will be notified and

informed of any required corrective action in the next Office action. The objection to the

drawings will not be held in abeyance.

Claim Objections

5.   Claim 36 is objected to because of the following informalities:

As per claim 36: "one or more users to the repository" should be "one or more

users of the repository".

Appropriate correction is required.

Claim Rejections - 35 USC § 102

6.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or
in public use or on sale in this country, more than one year prior to the date of application for
patent in the United States.

7.   Claim 29 is rejected under 35 U.S.C. 102(b) as being anticipated by <u>Bowman et</u>

<u>al.</u> ('<u>Bowman</u>' hereinafter) (Patent Number 6,006,225).

        As per claim 29, <u>Bowman</u> teaches

        "receiving from a user a request to access the documents" (column 5, lines 60-

65);

        "in response to receiving the request, rendering the online user interface

displaying a view of the repository" (column 6, lines 19-32);

        "receiving a selection of a repository query; in response to receiving the

selection, searching the documents and one or more associated attributes and

retrieving one or more documents that match the repository query wherein the one copy

of the one or more documents is retrieved in response to the documents matching the

repository query" (column 6, lines 19-32);

        "and displaying the documents that match the repository query via the online

user interface" (column 6, lines 19-32).

Claim Rejections - 35 USC § 103

8.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set
> forth in section 102 of this title, if the differences between the subject matter sought to be patented
> and the prior art are such that the subject matter as a whole would have been obvious at the time the
> invention was made to a person having ordinary skill in the art to which said subject matter pertains.
> Patentability shall not be negatived by the manner in which the invention was made.

9. Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over

Bowman et al. ('Bowman' hereinafter) (Patent Number 6,006,225) in view of Chen et al.

('Chen' hereinafter) (Patent Number 6,009,442).

As per claim 1, Bowman teaches

"receiving from a user a request to access the data" (column 5, lines 60-65);

"in response to receiving the request, launching the online user interface

displaying at least one view of the computer database" (column 6, lines 19-32);

"receiving a selection of one or more functions of the online user interface, the

selection representing a desired query" (column 6, lines 19-32);

"in response to receiving the desired query, searching the data and the

associated metadata to retrieve one or more results that match the desired query"

(column 6, lines 19-32);

"displaying the results that match the desired query via the online user interface"

(column 6, lines 19-32);

"associating one or more of the results to add to an existing association of data

or to create a new association of data" (column 6, lines 33-50);

"and displaying the existing or new association of data via the online user

interface" (column 7, lines 45-57).

Bowman does not explicitly indicate "loading the data and the associated

metadata into the computer database via a content manager".

However, Chen discloses "loading the data and the associated metadata into the computer database via a content manager" (column 9, line 54 through column 10, line 15).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "loading the data and the associated metadata into the computer database via a content manager" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

As per claim 2,

Bowman does not explicitly indicate "the computer database comprises a repository, the data comprises one or more document visuals, the associated metadata comprises one or more attributes of each document visual, the association of data comprises a visual presentation, and the content manager comprises an administrative user interface for loading the document visuals and the attributes into the repository".

However, Chen discloses "the computer database comprises a repository, the data comprises one or more document visuals, the associated metadata comprises one or more attributes of each document visual, the association of data comprises a visual presentation, and the content manager comprises an administrative user interface for loading the document visuals and the attributes into the repository" (column 9, line 54 through column 10, line 15).

It would have been obvious to one of ordinary skill in the art to combine Bowman

and Chen because using the steps of "the computer database comprises a repository,

the data comprises one or more document visuals, the associated metadata comprises

one or more attributes of each document visual, the association of data comprises a

visual presentation, and the content manager comprises an administrative user

interface for loading the document visuals and the attributes into the repository" would

have given those skilled in the art the tools to improve the invention by having the

capability of importing, organizing, browsing, searching and viewing documents. This

gives the user the advantage of save time by having all documents in a single

repository.

As per claim 3, Bowman teaches

"the repository comprises one or more attribute tables and one or more relational

tables defining linking relationships between the attributes of the document visuals and

the document visuals such that multiple attributes may be assigned to each document

visual and wherein one copy of each document visual is loaded into the repository and

the one copy of a document visual is retrieved in response to the document visual

matching the desired query" (column 5, lines 10-25; column 6, lines 3-18).

10.   Claims 4-8,11-27,30-34,36-38 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Bowman et al. ('Bowman' hereinafter) (Patent Number 6,006,225) in

view of <u>Chen et al.</u> ('<u>Chen</u>' hereinafter) (Patent Number 6,009,442) and further in view

of <u>Cheng et al.</u> ('<u>Cheng</u>' hereinafter) (Patent Number 7,031,967).

As per claim 4,

<u>Bowman</u> does not explicitly indicate "loading the data and associated metadata

comprises: creating and storing the one or more document visuals in the repository with

each document visual having one or more attributes".

However, <u>Chen</u> discloses "loading the data and associated metadata comprises:

creating and storing the one or more document visuals in the repository with each

document visual having one or more attributes" (column 6, lines 14-32);

It would have been obvious to one of ordinary skill in the art to combine <u>Bowman</u>

and <u>Chen</u> because using the steps of "loading the data and associated metadata

comprises: creating and storing the one or more document visuals in the repository with

each document visual having one or more attributes" would have given those skilled in

the art the tools to improve the invention by having the capability of importing,

organizing, browsing, searching and viewing documents. This gives the user the

advantage of save time by having all documents in a single repository.

Bowman does not explicitly indicate "adding one or more users to the repository

and assigning a primary geographic or a primary business division to a user profile of

each user".

However, <u>Cheng</u> discloses "adding one or more users to the repository and assigning a primary geographic or a primary business division to a user profile of each user" (column 2, lines 42-50);

It would have been obvious to one of ordinary skill in the art to combine <u>Bowman</u> and <u>Cheng</u> because using the steps of "adding one or more users to the repository and assigning a primary geographic or a primary business division to a user profile of each user" would have given those skilled in the art the tools to improve the invention by having a centralized repository for users to store their information. This gives the user the advantage of being able to have personalized information for various users.

<u>Bowman</u> does not explicitly indicate "and creating and storing one or more visual presentations by associating one or more of the document visuals with a presentation".

However, <u>Chen</u> discloses "and creating and storing one or more visual presentations by associating one or more of the document visuals with a presentation" (document collection, column 5, lines 2-50).

It would have been obvious to one of ordinary skill in the art to combine <u>Bowman</u> and <u>Chen</u> because using the steps of "and creating and storing one or more visual presentations by associating one or more of the document visuals with a presentation" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

As per claim 5,

Bowman does not explicitly indicate "loading the data and associated metadata further comprises at least one of the following: creating and storing one or more templates, wherein the templates may be used to automatically populate one or more attributes of the document visuals; and modifying one or more of the document visuals, one or more of the attributes, one or more of the user profiles, or one or more of the attribute tables".

However, Chen discloses "loading the data and associated metadata further comprises at least one of the following: creating and storing one or more templates, wherein the templates may be used to automatically populate one or more attributes of the document visuals; and modifying one or more of the document visuals, one or more of the attributes, one or more of the user profiles, or one or more of the attribute tables" (column 8, lines 50-60).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "loading the data and associated metadata further comprises at least one of the following: creating and storing one or more templates, wherein the templates may be used to automatically populate one or more attributes of the document visuals; and modifying one or more of the document visuals, one or more of the attributes, one or more of the user profiles, or one or more of the attribute tables" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This

gives the user the advantage of save time by having all documents in a single repository.

As per claim 6,

Bowman does not explicitly indicate "the content manager is further operative to assign a primary repository role to each user based on the primary geographic or business division assigned to the user".

However, Cheng discloses "the content manager is further operative to assign a primary repository role to each user based on the primary geographic or business division assigned to the user" (column 5, lines 23-40).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Cheng because using the steps of "the content manager is further operative to assign a primary repository role to each user based on the primary geographic or business division assigned to the user" would have given those skilled in the art the tools to improve the invention by storing and retrieving specific attributes of a user. This gives the user the advantage of being able to have personalized information for various users.

Bowman does not explicitly indicate "wherein the primary repository role of the user determines the at least one view of the database displayed to the user via the online user interface upon receiving the request to access the data".

However, Chen discloses "wherein the primary repository role of the user determines the at least one view of the database displayed to the user via the online user interface upon receiving the request to access the data" (column 5, lines 27-40).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "wherein the primary repository role of the user determines the at least one view of the database displayed to the user via the online user interface upon receiving the request to access the data" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

As per claim 7,

Bowman does not explicitly indicate "a view of the database is established for each geographic or business division wherein each view provides access to just the document visuals and the visual presentations having as an attribute the primary geographic or business division assigned to the user and wherein searching the data and associated metadata comprises searching just the document visuals, the visual presentations, and the attributes provided by the view".

However, Chen discloses "a view of the database is established for each geographic or business division wherein each view provides access to just the document visuals and the visual presentations having as an attribute the primary geographic or business division assigned to the user and wherein searching the data

and associated metadata comprises searching just the document visuals, the visual presentations, and the attributes provided by the view" (column 5, lines 26-40).

It would have been obvious to one of ordinary skill in the art to combine <u>Bowman</u> and <u>Chen</u> because using the steps of "a view of the database is established for each geographic or business division wherein each view provides access to just the document visuals and the visual presentations having as an attribute the primary geographic or business division assigned to the user and wherein searching the data and associated metadata comprises searching just the document visuals, the visual presentations, and the attributes provided by the view" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

As per claim 8,

<u>Bowman</u> does not explicitly indicate "each user profile comprises a username, a password, and the primary geographic or business division assigned to the user and wherein the request to access the data comprises submitting a username and a password to access the data"

However, <u>Cheng</u> discloses "each user profile comprises a username, a password, and the primary geographic or business division assigned to the user and wherein the request to access the data comprises submitting a username and a

password to access the data" (column 5, lines 23-40; note: logging in requires

password).

It would have been obvious to one of ordinary skill in the art to combine Bowman

and Cheng because using the steps of "each user profile comprises a username, a

password, and the primary geographic or business division assigned to the user and

wherein the request to access the data comprises submitting a username and a

password to access the data" would have given those skilled in the art the tools to

improve the invention by storing and retrieving specific attributes of a user. This gives

the user the advantage of being able to have personalized information for various users.

As per claim 11,

Bowman does not explicitly indicate "the visual presentations comprise at least

one of the following: one or more private presentations accessible by a single user; one

or more shared presentations accessible by all the users within one or more geographic

or business divisions; and one or more global presentations accessible by in all users".

However, Chen discloses "the visual presentations comprise at least one of the

following: one or more private presentations accessible by a single user; one or more

shared presentations accessible by all the users within one or more geographic or

business divisions; and one or more global presentations accessible by in all users"

(column 5, lines 26-40).

It would have been obvious to one of ordinary skill in the art to combine Bowman

and Chen because using the steps of "the visual presentations comprise at least one of

the following: one or more private presentations accessible by a single user; one or

more shared presentations accessible by all the users within one or more geographic or

business divisions; and one or more global presentations accessible by in all users"

would have given those skilled in the art the tools to improve the invention by having the

capability of importing, organizing, browsing, searching and viewing documents. This

gives the user the advantage of save time by having all documents in a single

repository.

As per claim 12, Bowman teaches

"the attributes comprise at least one of the following: a description of each

document visual; one or more key words for each document visual; an expiration date

for each document visual; a source information date for each document visual; a

creation date of each document visual; an update date for updated document visuals; at

least one super-category and category assigned to each document visual wherein each

category is associated with a super-category; at least one business process step

assigned to each document visual; and at least one geographic or business division

assigned to each document visual" (column 5, lines 10-25).

As per claim 13,

Bowman does not explicitly indicate "generating one or more repository reports

monitoring the contents of the repository wherein the reports comprise at least one of

the following: a new document visual report including a listing of new documents added

to the repository in the last X days wherein X is a variable number; an updated

document visual report including a listing of documents that have been updated in the

repository; an expired document report including a listing of documents in the repository

that have expired; a keyword report including a listing of documents in the repository

and the keywords associated with each document; a presentation report including a

listing the presentations defined in the repository, a creation date of each presentation,

an update date of one or more presentations, a presentation type indicator for each

presentation, an expiry date of one or more presentations; an advertising rate update

report including an automatically updated listing of the cost of advertising in one or more

directories or on an Internet website; a usage report including a listing of usage tracking

showing repository login activity by users of the repository; and a user report including a

listing of one or more user profiles of the users of the repository".

However, Chen discloses "generating one or more repository reports monitoring

the contents of the repository wherein the reports comprise at least one of the following:

a new document visual report including a listing of new documents added to the

repository in the last X days wherein X is a variable number; an updated document

visual report including a listing of documents that have been updated in the repository;

an expired document report including a listing of documents in the repository that have

expired; a keyword report including a listing of documents in the repository and the

keywords associated with each document; a presentation report including a listing the

presentations defined in the repository, a creation date of each presentation, an update

date of one or more presentations, a presentation type indicator for each presentation,

an expiry date of one or more presentations; an advertising rate update report including

an automatically updated listing of the cost of advertising in one or more directories or

on an Internet website; a usage report including a listing of usage tracking showing

repository login activity by users of the repository; and a user report including a listing of

one or more user profiles of the users of the repository" (list the properties of

documents, column 12, lines 1-18).

It would have been obvious to one of ordinary skill in the art to combine Bowman

and Chen because using the steps of "generating one or more repository reports

monitoring the contents of the repository wherein the reports comprise at least one of

the following: a new document visual report including a listing of new documents added

to the repository in the last X days wherein X is a variable number; an updated

document visual report including a listing of documents that have been updated in the

repository; an expired document report including a listing of documents in the repository

that have expired; a keyword report including a listing of documents in the repository

and the keywords associated with each document; a presentation report including a

listing the presentations defined in the repository, a creation date of each presentation,

an update date of one or more presentations, a presentation type indicator for each

presentation, an expiry date of one or more presentations; an advertising rate update

report including an automatically updated listing of the cost of advertising in one or more

directories or on an Internet website; a usage report including a listing of usage tracking

showing repository login activity by users of the repository; and a user report including a

listing of one or more user profiles of the users of the repository" would have given

those skilled in the art the tools to improve the invention by having the capability of

importing, organizing, browsing, searching and viewing documents. This gives the user

the advantage of save time by having all documents in a single repository.

As per claim 14, <u>Bowman</u> teaches

"the document visuals comprise one or more collateral documents for supporting

the sale of ads in advertising directories and the attributes further comprise one or more

headings associated with one or more document visuals and the super-categories

comprise local directory visuals or rates, product visuals, business directory visuals, and

heading visuals" (correlation, column 6, lines 19-32; note: 'for' denoted intended use

and everything after holds no patentable weight).

As per claim 15,

<u>Bowman</u> does not explicitly indicate "the collateral documents comprise at least

one of the following: one or more local directory visuals wherein the attributes further

comprise at least one directory associated with the local directory visuals; and one or

more directory rate sheets wherein the attributes further comprise at least one directory

associated with the directory rate sheet wherein the directory rates are automatically

updated from a remote system".

However, <u>Chen</u> discloses "the collateral documents comprise at least one of the

following: one or more local directory visuals wherein the attributes further comprise at

least one directory associated with the local directory visuals; and one or more directory

rate sheets wherein the attributes further comprise at least one directory associated with the directory rate sheet wherein the directory rates are automatically updated from a remote system" (folder, column 11, lines 37-57).

It would have been obvious to one of ordinary skill in the art to combine <u>Bowman</u> and <u>Chen</u> because using the steps of "the collateral documents comprise at least one of the following: one or more local directory visuals wherein the attributes further comprise at least one directory associated with the local directory visuals; and one or more directory rate sheets wherein the attributes further comprise at least one directory associated with the directory rate sheet wherein the directory rates are automatically updated from a remote system" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

As per claim 16,

<u>Bowman</u> teaches does not explicitly indicate "creating and storing one or more document visuals having one or more attributes comprises: selecting and opening one or more document visual files containing the document visuals to be added to the repository wherein the open files are displayed on the administrative user interface; assigning one or more attributes to the open document visuals; and saving the open document visuals and the attributes to the repository".

However, Chen discloses "creating and storing one or more document visuals having one or more attributes comprises: selecting and opening one or more document visual files containing the document visuals to be added to the repository wherein the open files are displayed on the administrative user interface; assigning one or more attributes to the open document visuals; and saving the open document visuals and the attributes to the repository" (figure 16; column 14, line 66 through column 15, line 10; column 6, lines 14-32).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "creating and storing one or more document visuals having one or more attributes comprises: selecting and opening one or more document visual files containing the document visuals to be added to the repository wherein the open files are displayed on the administrative user interface; assigning one or more attributes to the open document visuals; and saving the open document visuals and the attributes to the repository" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

As per claim 17,

Bowman does not explicitly indicate "assigning one or more attributes comprises utilizing a template to automatically populate one or more attribute fields in the

administrative user interface wherein the template may be repeatedly used for document visuals having common attributes".

However, Chen discloses "assigning one or more attributes comprises utilizing a template to automatically populate one or more attribute fields in the administrative user interface wherein the template may be repeatedly used for document visuals having common attributes" (column 4, lines 12-20).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "assigning one or more attributes comprises utilizing a template to automatically populate one or more attribute fields in the administrative user interface wherein the template may be repeatedly used for document visuals having common attributes" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

As per claim 18,

Bowman does not explicitly indicate "the users are added by a repository administrator or automatically added and assigned a primary geographic or business division from a remote payroll system whenever a user is added to the remote payroll system".

However, Cheng discloses "the users are added by a repository administrator or automatically added and assigned a primary geographic or business division from a

remote payroll system whenever a user is added to the remote payroll system" (column

2, lines 27-41).

It would have been obvious to one of ordinary skill in the art to combine Bowman

and Cheng because using the steps of "the users are added by a repository

administrator or automatically added and assigned a primary geographic or business

division from a remote payroll system whenever a user is added to the remote payroll

system" would have given those skilled in the art the tools to improve the invention by

storing and retrieving specific attributes of a user. This gives the user the advantage of

being able to have personalized information for various users.

As per claim 19,

Bowman does not explicitly indicate "creating and storing one or more

presentations comprises: selecting a category from which to associate the document

visuals wherein the category is an attribute of one or more document visuals and

wherein each category is associated with a super-category; retrieving and displaying a

list of documents visuals having the selected category as an attribute; selecting and

determining the order of one or more document visuals from the list to associate in a

presentation; … and naming and saving the presentation to the repository".

However, Chen discloses "creating and storing one or more presentations

comprises: selecting a category from which to associate the document visuals wherein

the category is an attribute of one or more document visuals and wherein each category

is associated with a super-category; retrieving and displaying a list of documents visuals

having the selected category as an attribute; selecting and determining the order of one

or more document visuals from the list to associate in a presentation; ... and naming

and saving the presentation to the repository" (column 7, lines 5-64);

It would have been obvious to one of ordinary skill in the art to combine Bowman

and Chen because using the steps of "creating and storing one or more presentations

comprises: selecting a category from which to associate the document visuals wherein

the category is an attribute of one or more document visuals and wherein each category

is associated with a super-category; retrieving and displaying a list of documents visuals

having the selected category as an attribute; selecting and determining the order of one

or more document visuals from the list to associate in a presentation; ... and naming

and saving the presentation to the repository" would have given those skilled in the art

the tools to improve the invention by having the capability of importing, organizing,

browsing, searching and viewing documents. This gives the user the advantage of save

time by having all documents in a single repository.

Bowman does not explicitly indicate "selecting a presentation type that

determines access to the presentation wherein the presentation type comprises a

global, a shared, or a private presentation; in response to a global presentation type

being selected, assigning access to the presentation to all geographic or business

divisions; in response to a shared presentation type being selected, assigning access to

the presentation to one or more geographic or business divisions; in response to a

private presentation type being selected, assigning access to a user wherein each user

is assigned a primary geographic or business division based on the user profile of the user".

However, <u>Cheng</u> discloses "selecting a presentation type that determines access to the presentation wherein the presentation type comprises a global, a shared, or a private presentation; in response to a global presentation type being selected, assigning access to the presentation to all geographic or business divisions; in response to a shared presentation type being selected, assigning access to the presentation to one or more geographic or business divisions; in response to a private presentation type being selected, assigning access to a user wherein each user is assigned a primary geographic or business division based on the user profile of the user" (privileges, column 2, lines 27-41);

It would have been obvious to one of ordinary skill in the art to combine <u>Bowman</u> and <u>Cheng</u> because using the steps of "selecting a presentation type that determines access to the presentation wherein the presentation type comprises a global, a shared, or a private presentation; in response to a global presentation type being selected, assigning access to the presentation to all geographic or business divisions; in response to a shared presentation type being selected, assigning access to the presentation to one or more geographic or business divisions; in response to a private presentation type being selected, assigning access to a user wherein each user is assigned a primary geographic or business division based on the user profile of the user" would have given those skilled in the art the tools to improve the invention by

storing and retrieving specific attributes of a user. This gives the user the advantage of

being able to have personalized information for various users.

As per claim 20, <u>Bowman</u> teaches

"modifying the attribute tables comprises at least one of the following: updating a

category or super-category table wherein every category is associated with at least one

super-category wherein the super-categories broadly classify each document visual and

the categories organize the document visuals and define a path where a document

visual is physically stored in the repository; updating a link table representing links to

web sites related to specific geographic or business divisions or all geographic or

business divisions and displayed on the on-line user interface of the geographic or

business division assigned; updating a directory table having a directory name, a

directory number, an Internet directory number, a corresponding state code, and a

corresponding geographic or business division identification wherein the directories are

referenced in response to a query of local visuals and rates; updating a division table

representing all the geographic or business divisions available as an attribute in the

repository and containing a default repository role and a default database view for each

division wherein the views provide access to just the document visuals of an assigned

division and wherein a view for a manager provides access to the document visuals

from all divisions and to all private presentations from a primary geographic or business

division assigned to the manager; updating a heading table representing all the

headings associated with document visuals and headings formerly associated with

document visuals and retained as inactive for archival purposes; updating a business

process steps table identifying the steps of a business process that may be assigned to

a document visual and a status wherein when assigned to a document visual associates

the document visuals with all business process steps; and updating a state table

identifying the states where the directories are published" (column 8, line 50 through

column 9, line 4).

As per claim 21,

Bowman does not explicitly indicate "modifying a user profile comprises changing

a repository role for a user or assigning a secondary role to a user wherein the

secondary role has an expiration date".

However, Cheng discloses "modifying a user profile comprises changing a

repository role for a user or assigning a secondary role to a user wherein the secondary

role has an expiration date" (column 4, line 64 through column 5, line 8).

It would have been obvious to one of ordinary skill in the art to combine Bowman

and Cheng because using the steps of "modifying a user profile comprises changing a

repository role for a user or assigning a secondary role to a user wherein the secondary

role has an expiration date" would have given those skilled in the art the tools to

improve the invention by storing and retrieving specific attributes of a user. This gives

the user the advantage of being able to have personalized information for various users.

As per claim 22,

Bowman does not explicitly indicate "modifying a document visual comprises expunging a document visual from the repository or updating the document visual and replacing a previous version of the document visual in a same storage location without updating attributes or saving the document visual to the repository".

However, Chen discloses "modifying a document visual comprises expunging a document visual from the repository or updating the document visual and replacing a previous version of the document visual in a same storage location without updating attributes or saving the document visual to the repository" (column 9, lines 33-54).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "modifying a document visual comprises expunging a document visual from the repository or updating the document visual and replacing a previous version of the document visual in a same storage location without updating attributes or saving the document visual to the repository" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

As per claim 23,

Bowman does not explicitly indicate "the super-categories comprise: a first main category representing one of local document visuals and local rates of an advertising directory covering a market region; a second main category representing document visuals of advertising products from categories having one or more document visuals

associated with them; a third main category representing document visuals related to a business directory; and a fourth main category representing document visuals associated with one or more advertising headings".

However, Chen discloses "the super-categories comprise: a first main category representing one of local document visuals and local rates of an advertising directory covering a market region; a second main category representing document visuals of advertising products from categories having one or more document visuals associated with them; a third main category representing document visuals related to a business directory; and a fourth main category representing document visuals associated with one or more advertising headings" (attributes, column 4, lines 12-20).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "the super-categories comprise: a first main category representing one of local document visuals and local rates of an advertising directory covering a market region; a second main category representing document visuals of advertising products from categories having one or more document visuals associated with them; a third main category representing document visuals related to a business directory; and a fourth main category representing document visuals associated with one or more advertising headings" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

As per claim 24, <u>Bowman</u> teaches

"the functions of the online user interface comprise at least one of the following: retrieving one or more document visuals based on a query including a super-category and category; retrieving an account history of one or more customers based on a query including a customer telephone number; retrieving one or more visual presentations based a query including one or more presentations; retrieving the document visuals based on a query including one or more key words; retrieving one or more document visuals based on a query including a request for documents added in the last X days, wherein X represents a variable number of days; retrieving the documents visuals from among all categories and super-categories based on a query including a business process step; retrieving one or more private presentations based on a query including one or more private presentation; retrieving one or more new document visuals added since a last request for access to the data based on a query including a super-category; and accessing one or more links from the online user interface where the links are associated in a link table in the repository with the geographic or business division assigned to the user; accessing electronic mail and message features via an icon displayed on the online user interface; and accessing a folder structure of downloaded document visuals, search results and presentations via a link displayed on the online user interface" (column 6, lines 3-32).

As per claim 25,

Bowman does not explicitly indicate "the results that match the desired query comprise one or more retrieved document visuals, further comprising at least one of the following: viewing the retrieved document visuals via the online user interface; printing the retrieved document visuals; downloading the retrieved document visuals to a remote computer; transmitting the retrieved document visuals via electronic mail or facsimile; and associating one or more of the retrieved document visuals into one or more visual presentations wherein the visual presentations comprise one or more private presentations accessible by the user"

However, Chen discloses "the results that match the desired query comprise one or more retrieved document visuals, further comprising at least one of the following: viewing the retrieved document visuals via the online user interface; printing the retrieved document visuals; downloading the retrieved document visuals to a remote computer; transmitting the retrieved document visuals via electronic mail or facsimile; and associating one or more of the retrieved document visuals into one or more visual presentations wherein the visual presentations comprise one or more private presentations accessible by the user" (column 11, lines 57-67).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "the results that match the desired query comprise one or more retrieved document visuals, further comprising at least one of the following: viewing the retrieved document visuals via the online user interface; printing the retrieved document visuals; downloading the retrieved document visuals to a remote computer; transmitting the retrieved document visuals via electronic mail or facsimile;

and associating one or more of the retrieved document visuals into one or more visual

presentations wherein the visual presentations comprise one or more private

presentations accessible by the user" would have given those skilled in the art the tools

to improve the invention by having the capability of importing, organizing, browsing,

searching and viewing documents. This gives the user the advantage of save time by

having all documents in a single repository.

As per claim 26,

Bowman does not explicitly indicate "the results that match the desired query

comprise one or more retrieved visual presentations, further comprising at least one of

the following: viewing the retrieved visual presentations via the online user interface;

concatenating the document visuals associated with the retrieved the presentations and

printing the retrieved visual presentations; downloading the retrieved visual

presentations to a remote computer; transmitting the retrieved visual presentations via

electronic mail or facsimile; and merging one or more of the retrieved visual

presentations into one or more private presentations accessible by the user".

However, Chen discloses "the results that match the desired query comprise one

or more retrieved visual presentations, further comprising at least one of the following:

viewing the retrieved visual presentations via the online user interface; concatenating

the document visuals associated with the retrieved the presentations and printing the

retrieved visual presentations; downloading the retrieved visual presentations to a

remote computer; transmitting the retrieved visual presentations via electronic mail or

facsimile; and merging one or more of the retrieved visual presentations into one or more private presentations accessible by the user" (column 11, lines 57-67).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "the results that match the desired query comprise one or more retrieved visual presentations, further comprising at least one of the following: viewing the retrieved visual presentations via the online user interface; concatenating the document visuals associated with the retrieved the presentations and printing the retrieved visual presentations; downloading the retrieved visual presentations to a remote computer; transmitting the retrieved visual presentations via electronic mail or facsimile; and merging one or more of the retrieved visual presentations into one or more private presentations accessible by the user" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

As per claim 27,

Bowman does not explicitly indicate "further comprising at least on of the following: the visual presentations further comprise one or more shared and one or more global presentations, further comprising at least one of the following: at least one of viewing and making into a private presentation at least one of the shared presentations and the global presentations; at least one of creating, renaming, playing, modifying, downloading, printing, deleting, and posting to a website one or more private

presentations; and creating a new private presentation by merging two or more of the visual presentations".

However, Chen discloses "further comprising at least on of the following: the visual presentations further comprise one or more shared and one or more global presentations, further comprising at least one of the following: at least one of viewing and making into a private presentation at least one of the shared presentations and the global presentations; at least one of creating, renaming, playing, modifying, downloading, printing, deleting, and posting to a website one or more private presentations; and creating a new private presentation by merging two or more of the visual presentations" (rename, column 12, lines 1-18).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "further comprising at least on of the following: the visual presentations further comprise one or more shared and one or more global presentations, further comprising at least one of the following: at least one of viewing and making into a private presentation at least one of the shared presentations and the global presentations; at least one of creating, renaming, playing, modifying, downloading, printing, deleting, and posting to a website one or more private presentations; and creating a new private presentation by merging two or more of the visual presentations" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

As per claim 30,

Bowman does not explicitly indicate "prior to receiving the request to access the documents, publishing the documents and the associated attributes to the repository via an administrative interface wherein one copy of each document is published to the repository and wherein publishing the documents and the associated attributes to the repository via the administrative interface comprises: creating and storing the one or more documents in the repository with each document having one or more attributes; adding one or more users to the repository and assigning a primary division to a user profile of each user wherein the primary division represents a geographic or business area; creating and storing one or more visual presentations by associating the documents wherein the visual presentations are private, shared, or global; creating and storing one or more templates, wherein the templates may be used to automatically populate one or more attributes of the documents; or modifying one or more of the documents, one or more the attributes, one or more user profiles, or one or more attribute tables".

However, Chen discloses "prior to receiving the request to access the documents, publishing the documents and the associated attributes to the repository via an administrative interface wherein one copy of each document is published to the repository and wherein publishing the documents and the associated attributes to the repository via the administrative interface comprises: creating and storing the one or more documents in the repository with each document having one or more attributes;

adding one or more users to the repository and assigning a primary division to a user

profile of each user wherein the primary division represents a geographic or business

area; creating and storing one or more visual presentations by associating the

documents wherein the visual presentations are private, shared, or global; creating and

storing one or more templates, wherein the templates may be used to automatically

populate one or more attributes of the documents; or modifying one or more of the

documents, one or more the attributes, one or more user profiles, or one or more

attribute tables" (column 9, line 54 through column 10, line 15).

It would have been obvious to one of ordinary skill in the art to combine <u>Bowman</u>

and <u>Chen</u> because using the steps of "prior to receiving the request to access the

documents, publishing the documents and the associated attributes to the repository via

an administrative interface wherein one copy of each document is published to the

repository and wherein publishing the documents and the associated attributes to the

repository via the administrative interface comprises: creating and storing the one or

more documents in the repository with each document having one or more attributes;

adding one or more users to the repository and assigning a primary division to a user

profile of each user wherein the primary division represents a geographic or business

area; creating and storing one or more visual presentations by associating the

documents wherein the visual presentations are private, shared, or global; creating and

storing one or more templates, wherein the templates may be used to automatically

populate one or more attributes of the documents; or modifying one or more of the

documents, one or more the attributes, one or more user profiles, or one or more

attribute tables" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

As per claim 31,

Bowman does not explicitly indicate "assigning a primary role to each user based on the primary division assigned to the user wherein the primary role of the user determines the view of the repository queries displayed to the user via the online user interface wherein a view of the repository queries is established for each division wherein the view provides access to just the documents associated with the division for which the view is established and wherein searching the documents and associated attributes comprises searching just the documents provided by the view".

However, Cheng discloses "assigning a primary role to each user based on the primary division assigned to the user wherein the primary role of the user determines the view of the repository queries displayed to the user via the online user interface wherein a view of the repository queries is established for each division wherein the view provides access to just the documents associated with the division for which the view is established and wherein searching the documents and associated attributes comprises searching just the documents provided by the view" (privileges, column 2, lines 27-41).

It would have been obvious to one of ordinary skill in the art to combine <u>Bowman</u> and <u>Cheng</u> because using the steps of "assigning a primary role to each user based on the primary division assigned to the user wherein the primary role of the user determines the view of the repository queries displayed to the user via the online user interface wherein a view of the repository queries is established for each division wherein the view provides access to just the documents associated with the division for which the view is established and wherein searching the documents and associated attributes comprises searching just the documents provided by the view" would have given those skilled in the art the tools to improve the invention by storing and retrieving specific attributes of a user. This gives the user the advantage of being able to have personalized information for various users.

As per claim 32, <u>Bowman</u> teaches

"the associated attributes comprise a description of each document, one or more key words for each document, an expiration date for each document, a source information date for each document, at least one super-category and category assigned to each document wherein each category is associated with a super-category, at least one business process step assigned to each document, and at least one division assigned to each document" (column 5, lines 10-25).

As per claim 33, <u>Bowman</u> teaches

"the repository queries are operative to: retrieve one or more documents by searching for one or more categories; retrieve an account history of one or more customers by searching for a customer telephone number; retrieve the documents by searching for one or more key words; retrieve the documents by searching for documents added in the last X days, wherein X represents a variable number of days; or retrieve the documents added since a last request for access by searching for a super-category; or retrieve one or more presentations by searching for presentations associated with the view" (column 6, lines 2-18).

As per claim 34,

Bowman does not explicitly indicate "printing the documents matching the repository query; downloading the documents matching the repository query; transmitting the documents matching the repository query via electronic mail or facsimile; or associating one or more of the documents matching the repository query into one or more private presentations accessible by the user".

However, Chen discloses "printing the documents matching the repository query; downloading the documents matching the repository query; transmitting the documents matching the repository query via electronic mail or facsimile; or associating one or more of the documents matching the repository query into one or more private presentations accessible by the user" (column 8, line 60 through column 9, line 15).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "printing the documents matching the repository

query; downloading the documents matching the repository query; transmitting the

documents matching the repository query via electronic mail or facsimile; or associating

one or more of the documents matching the repository query into one or more private

presentations accessible by the user" would have given those skilled in the art the tools

to improve the invention by having the capability of importing, organizing, browsing,

searching and viewing documents. This gives the user the advantage of save time by

having all documents in a single repository.

As per claim 36, <u>Bowman</u> teaches

"a memory" (column 5, lines 33-45);

"a repository containing: one or more document ..., wherein each document ...

has associated metadata comprising one or more attributes of each document ..."

(column 5, lines 10-25);

"one or more attribute tables and one or more relational tables defining linking

relationships between the attributes of the document ... and the document ... such that

multiple attributes may be assigned to each document ... and wherein one copy of each

document ... is loaded into the repository and the one copy of a document ... is

retrieved in response to the document ... matching a desired query" (column 5, lines 10-

25; column 6, lines 3-18);

"a display unit" (column 11, lines 12-20);

"and a processor executing computer executable instructions for providing an

online user interface operative to: receive from a user a request to access the

document" (column 5, lines 33-45);

"in response to receiving the request, display at least one view of the repository"

(column 6, lines 19-32);

"receive a selection of one or more functions of the online user interface, the

selection representing a desired query" (column 6, lines 19-32);

"in response to receiving the desired query, search the document ... and the

associated attributes to retrieve one or more results that match the desired query"

(column 6, lines 19-32);

"display the results that match the desired query via the online user interface"

(column 6, lines 19-32);

"associate one or more of the results to add to an existing association of

document ... or to create a new association of document" (column 6, lines 33-50);

"and display the existing or new association of document ... via the online user

interface wherein the new or existing association of document" (column 7, lines 45-57).

Bowman does not explicitly indicate "visual ... visuals ... visuals comprise a

visual presentation".

However, Chen discloses "visual ... visuals ... visuals comprise a visual

presentation" (column 9, line 54 through column 10, line 15).

It would have been obvious to one of ordinary skill in the art to combine Bowman

and Chen because using the steps of "visual ... visuals ... visuals comprise a visual

presentation" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

Bowman does not explicitly indicate "one or more users to the repository wherein each user has a primary geographic or a primary business division assigned to a user profile of each user".

However, Cheng discloses "one or more users to the repository wherein each user has a primary geographic or a primary business division assigned to a user profile of each user" (column 2, lines 42-50);

It would have been obvious to one of ordinary skill in the art to combine Bowman and Cheng because using the steps "one or more users to the repository wherein each user has a primary geographic or a primary business division assigned to a user profile of each user" would have given those skilled in the art the tools to improve the invention by having a centralized repository for users to store their information. This gives the user the advantage of being able to have personalized information for various users.

As per claim 37,

Bowman does not explicitly indicate "a processor executing computer executable instructions operative to: create and store one or more templates, wherein the templates may be used to automatically populate one or more attributes of the document visuals".

However, Chen discloses "a processor executing computer executable instructions operative to: create and store one or more templates, wherein the templates may be used to automatically populate one or more attributes of the document visuals" (column 8, lines 50-60).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "a processor executing computer executable instructions operative to: create and store one or more templates, wherein the templates may be used to automatically populate one or more attributes of the document visuals" would have given those skilled in the art the tools to improve the invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

Bowman does not explicitly indicate "modify one or more of the document visuals, one or more of the attributes, one or more of the user profiles, and one or more of the attribute tables".

However, Chen discloses "modify one or more of the document visuals, one or more of the attributes, one or more of the user profiles, and one or more of the attribute tables" (column 8, lines 50-60).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "modify one or more of the document visuals, one or more of the attributes, one or more of the user profiles, and one or more of the attribute tables" would have given those skilled in the art the tools to improve the

invention by having the capability of importing, organizing, browsing, searching and viewing documents. This gives the user the advantage of save time by having all documents in a single repository.

Bowman does not explicitly indicate "and assign a primary repository role to each user based on the primary geographic or business division assigned to the user wherein the primary repository role of the user determines the at least one view of the repository displayed to the user via the online user interface upon receiving the request to access the document visuals".

However, Cheng discloses "and assign a primary repository role to each user based on the primary geographic or business division assigned to the user wherein the primary repository role of the user determines the at least one view of the repository displayed to the user via the online user interface upon receiving the request to access the document visuals" (column 2, lines 42-50);

It would have been obvious to one of ordinary skill in the art to combine Bowman and Cheng because using the steps of "and assign a primary repository role to each user based on the primary geographic or business division assigned to the user wherein the primary repository role of the user determines the at least one view of the repository displayed to the user via the online user interface upon receiving the request to access the document visuals" would have given those skilled in the art the tools to improve the invention by having a centralized repository for users to store their information. This gives the user the advantage of being able to have personalized information for various users.

Bowman does not explicitly indicate "wherein a view of the repository is established for each geographic or business division wherein each view provides access to just the document visuals and the visual presentations having as an attribute the primary geographic or business division assigned to the user and wherein searching the document visuals and associated attributes comprises searching just the document visuals, the visual presentations, and the attributes provided by the view".

However, Chen discloses "wherein a view of the repository is established for each geographic or business division wherein each view provides access to just the document visuals and the visual presentations having as an attribute the primary geographic or business division assigned to the user and wherein searching the document visuals and associated attributes comprises searching just the document visuals, the visual presentations, and the attributes provided by the view"(column 5, lines 27-40).

It would have been obvious to one of ordinary skill in the art to combine Bowman and Chen because using the steps of "wherein a view of the repository is established for each geographic or business division wherein each view provides access to just the document visuals and the visual presentations having as an attribute the primary geographic or business division assigned to the user and wherein searching the document visuals and associated attributes comprises searching just the document visuals, the visual presentations, and the attributes provided by the view" would have given those skilled in the art the tools to improve the invention by having the capability

of importing, organizing, browsing, searching and viewing documents. This gives the

user the advantage of save time by having all documents in a single repository.

As per claim 38, <u>Bowman</u> teaches

"the attributes comprise at least one of the following: a description of each

document visual; one or more key words for each document visual; an expiration date

for each document visual; a source information date for each document visual; a

creation date of each document visual; an update date for updated document visuals"

(column 5, lines 10-25);

<u>Bowman</u> does not explicitly indicate "at least one super-category and category

assigned to each document visual wherein each category is associated with a super-

category wherein the super-categories include at least one of the following: a first main

category representing one of local document visuals and local rates of an advertising

directory covering a market region; a second main category representing document

visuals of advertising products from categories having one or more document visuals

associated with them; a third main category representing document visuals related to a

business directory; and a fourth main category representing document visuals

associated with one or more advertising headings; at least one business process step

assigned to each document visual; and at least one of a geographic and a business

division assigned to each document visual".

However, <u>Chen</u> discloses "at least one super-category and category assigned to

each document visual wherein each category is associated with a super-category

wherein the super-categories include at least one of the following: a first main category

representing one of local document visuals and local rates of an advertising directory

covering a market region; a second main category representing document visuals of

advertising products from categories having one or more document visuals associated

with them; a third main category representing document visuals related to a business

directory; and a fourth main category representing document visuals associated with

one or more advertising headings; at least one business process step assigned to each

document visual; and at least one of a geographic and a business division assigned to

each document visual" (column 6, lines 14-33).

It would have been obvious to one of ordinary skill in the art to combine Bowman

and Chen because using the steps of "at least one super-category and category

assigned to each document visual wherein each category is associated with a super-

category wherein the super-categories include at least one of the following: a first main

category representing one of local document visuals and local rates of an advertising

directory covering a market region; a second main category representing document

visuals of advertising products from categories having one or more document visuals

associated with them; a third main category representing document visuals related to a

business directory; and a fourth main category representing document visuals

associated with one or more advertising headings; at least one business process step

assigned to each document visual; and at least one of a geographic and a business

division assigned to each document visual" would have given those skilled in the art the

tools to improve the invention by having the capability of importing, organizing,

browsing, searching and viewing documents. This gives the user the advantage of save

time by having all documents in a single repository.

Allowable Subject Matter

11.   Claims 9-10,28,35,39 are objected to as being dependent upon a rejected base

claim, but would be allowable if rewritten in independent form including all of the

limitations of the base claim and any intervening claims.

Conclusion

12.   The prior art made of record, listed on form PTO-892, and not relied upon is

considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Jay A. Morrison whose telephone number is (571) 272-

7112. The examiner can normally be reached on M-F 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Tim Vo can be reached on (571) 272-3642. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

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Business Center (EBC) at 866-217-9197 (toll-free).

Jay Morrison   Tim Vo
TC2100   TC2100